

## Water-Data Report 2008

**403921074515901 Local number 190451- MW101**

 Piedmont and Blue Ridge crystalline-rock aquifers  
 Precambrian Erathem

Hunterdon County, NJ

LOCATION.--Lat 40°39'21.1", long 74°51'58.7" referenced to North American Datum of 1983, Clinton Township, Hunterdon County, NJ, Hydrologic Unit 02030105.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 37 ft. Upper casing diameter 2 in; top of first opening 17 ft, bottom of last opening 37 ft.

DATUM.--Land-surface datum is 370 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2003, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 8. Agricultural Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, Barometric pressure, 90+/-30 det ang	Dissolved oxygen, percent of saturation	pH, water, unfiltrd field, std units	Specific conductance, water, $\mu\text{S}/\text{cm}$	Temperature, water, deg C	Hardness, water, mg/L as CaCO <sub>3</sub>	Calcium water, filtrd, mg/L			
	LSD (72019)	(00059)	Flow period prior to sampling, minutes	NTRU corrtd	mm Hg (63676)	mg/L (00025)	(00300)	(00301)	(00400)	(00095)	(00010)		
Apr 15...	1000	11.40	.50	30	.2	758	2.9	27	6.5	364	12.4	160	29.4

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Magnesium, water, filtrd, mg/L (00925)	Potassium, water, filtrd, mg/L (00935)	Sodium, water, filtrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Bicarbonate, wat flt infl pt titr., field, mg/L (00453)	Chloride, water, filtrd, mg/L (00940)	Fluoride, water, filtrd, mg/L (00950)	Silica, water, filtrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtrd, mg/L (00945)	Residue water, filtrd, sum of constituents (70301)	Residue water, evap. at 180degC (70300)	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Ammonia water, filtrd, mg/L as N (00608)
Apr 15...	20.2	1.38	12.4	80	81	26.2	.17	36.5	35.1	228	233	<.14	<.020

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Nitrate + nitrite water filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as N (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	Organic carbon, water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, μg/L (01106)	Anti- mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)	Boron, water, filtrd, μg/L (01020)	Cadmium water, filtrd, μg/L (01025)	Chrom- ium, water, filtrd, μg/L (01030)	Copper, water, filtrd, μg/L (01040)
Apr 15...	5.99	<.002	.044	.7	<1.6	<.14	.10	56	.02	13	<.04	2.2	<1.0

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Mangan- ese, water, filtrd, μg/L (01056)	Mercury, water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01065)	Selen- ium, water, filtrd, μg/L (01145)	Silver, water, filtrd, μg/L (01075)	Thall- ium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naph- thol, water, filtrd, 0.7u GF (49295)	2,6-Di- ethyl- aniline, water, filtrd, 0.7u GF (82660)	2-Chloro- -2',6'- diethyl acet- anilide, water, filtrd, μg/L (61618)	CIAT, water, filtrd, μg/L (04040)
Apr 15...	<8	<.08	<.2	<.010	2.8	.20	<.1	<.04	<1.8	<.04	<.006	<.010	E.037

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	2-Ethyl -6- methyl- aniline water, filtrd, μg/L (61620)	3,4-Di- chloro- aniline water, filtrd, μg/L (61625)	3,5-Di- chloro- aniline water, filtrd, μg/L (61627)	4- Chloro- phenol, water, filtrd, μg/L (61633)	Aceto- chlor, water, filtrd, μg/L (49260)	Ala- chlor, water, filtrd, μg/L (46342)	alpha- sulfan, water, filtrd, μg/L (34362)	Endo- zine, water, filtrd, μg/L (39632)	Atra- zonox, water, filtrd, μg/L (61635)	Azin- phos- methyl, water, filtrd, 0.7u GF (82686)	Azin- phos- methyl, water, filtrd, 0.7u GF (82673)	Ben- flur- alin, water, filtrd, μg/L (82680)	Car- baryl, water, filtrd, μg/L (82674)
Apr 15...	<.010	<.006	<.008	<.005	<.006	<.006	<.006	.012	<.04	<.120	<.010	<.060	<.020

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
 Part 6 of 13  
 [Remark codes: <, less than; E, estimated.]

Date	Chlor-pyrifos oxon, water, fltrd, μg/L (61636)	Chlor-pyrifos water, fltrd, μg/L (38933)	cis-Per-methrin water 0.7u GF (82687)	cis-Propi-conazole, water, fltrd, μg/L (79846)	Cyana-zine, water, fltrd, μg/L (04041)	Cyflu-thrin, water, fltrd, μg/L (61585)	lambda-Cyhalothrin, water, fltrd, μg/L (61595)	Cyper-methrin water, fltrd, μg/L (61586)	DCPA, water, fltrd, 0.7u GF (82682)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62170)	Diazi-non, water, fltrd, μg/L (39572)	Dicro-tophos, water, fltrd, μg/L (38454)	Diel-drin, water, fltrd, μg/L (39381)
Apr 15...	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
 Part 7 of 13  
 [Remark codes: <, less than; E, estimated.]

Date	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-oton sulfone fltrd, 0.7u GF μg/L (61640)	Disul-foton, water, fltrd, 0.7u GF μg/L (82677)	Endo-sulfan sulfate water, fltrd, μg/L (61590)	EPTC, water, fltrd, 0.7u GF μg/L (82668)	Ethion monoxon water, fltrd, μg/L (61644)	Ethion, water, fltrd, μg/L (82346)	Etho-prop, water, fltrd, 0.7u GF μg/L (82672)	Fenami-phos sulfone water, fltrd, μg/L (61645)	Fenami-phos sulf-oxide, water, fltrd, μg/L (61646)	Fenami-phos sulfone water, fltrd, μg/L (61591)	Desulf-inyl-fipro-nil amide, water, fltrd, μg/L (62169)	Fipro-nil sulfide water, fltrd, μg/L (62167)
Apr 15...	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029	<.013

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
 Part 8 of 13  
 [Remark codes: <, less than; E, estimated.]

Date	Fipro-nil sulfone water, fltrd, μg/L (62168)	Fipro-nil, water, fltrd, μg/L (62166)	Fonofos water, fltrd, μg/L (04095)	Hexa-zinone, water, fltrd, μg/L (04025)	Ipro-dione, water, fltrd, μg/L (61593)	Isofen-phos, water, fltrd, μg/L (61594)	Mala-oxon, water, fltrd, μg/L (61652)	Mala-thion, water, fltrd, μg/L (39532)	Meta-laxyl, water, fltrd, μg/L (61596)	Methid-athion, water, fltrd, μg/L (61598)	Methyl-paraoxon, water, fltrd, μg/L (61664)	Methyl-para-thion, water, fltrd, 0.7u GF (82667)	Methyl-parachlor, water, fltrd, μg/L (39415)
Apr 15...	<.024	<.020	<.010	.015	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 9 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Metri-	Moli-	Oxy-	Pendi-	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-	Pro-
	buzin,	nate,	fluor-	meth-					ton,	tryn,	zamide,	panil,
water,	water,	butanil	fen,	water,								
filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	0.7u GF	0.7u GF
	μg/L											
	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(61664)	(61668)	(61601)	(04037)	(04036)	(82676)
Apr 15...	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004
												<.006

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 10 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Propar-	Sima-	Tebu-	Ter-	Terbu-	Ter-	Thio-	trans-	Propi-	Tribu-	Tri-	1,1,1-
	gite,	zine,	thiuron	bufos							flur-	chloro-
water,	water,	water,	tefuron,	terbufos	water,	azine,	water,	water,	alain,	water,	ethane,	water,
filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	0.7u GF	unfiltrd
	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	(79847)	(61610)	(82661)	(34506)
Apr 15...	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1
												<.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 11 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	1,1-Di-	1,1-Di-	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Bromo-	Tri-	cis-	Di-	
	chloro-	di-	bromo-	chloro-	chloro-							
ethane,	ethene,	benzene	benzene	ethane,	propane	benzene	benzene	methane	methane	benzene	ethene,	
water,	water,	water,	water,	water,	unfiltrd	water,	unfiltrd	water,	unfiltrd	water,	water,	
unfiltrd	unfiltrd	unfiltrd	unfiltrd	unfiltrd		unfiltrd	unfiltrd	unfiltrd	unfiltrd	unfiltrd	unfiltrd	
	μg/L											
	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)	(34301)	
Apr 15...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1
												<.2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 12 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	Di-chloro-difluoromethane	Di-chloro-methane water, wat unf	Di-ether, water, unfltrd	Diisopropyl ether, water, unfltrd	Ethyl-benzene	Methyl-tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl-ethyl ether, water, unfltrd	Methyl-t-butyl-ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane
	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)	µg/L (32102)
Apr 15...	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	.1	<.2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 13 of 13

[Remark codes: &lt;, less than; E, estimated.]

Date	trans-1,2-Di-chloro-ethene, water, wat unfldr	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane	Tri-chloro-methane	Vinyl-chloride, water, unfltrd	Di-chlor-vos, water, fltrd,	Alpha-radioac 30 day, Th-230, pCi/L (62639)	Alpha-radioac 72 hr, wat flt, Th-230, pCi/L (62636)	Beta-radioac 30 day, wat flt, Cs-137, pCi/L (62645)	Beta-radioac 72 hr, wat flt, Cs-137, pCi/L (62642)	
	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)	
Apr 15...	<.1	<.1	<.1	<.2	<.1	<.2	<.01	.8	4.1	2.9	3.0